REPORT

OF THE

DEPARTMENT OF HEALTH

OF THE

PANAMA CANAL

FOR THE

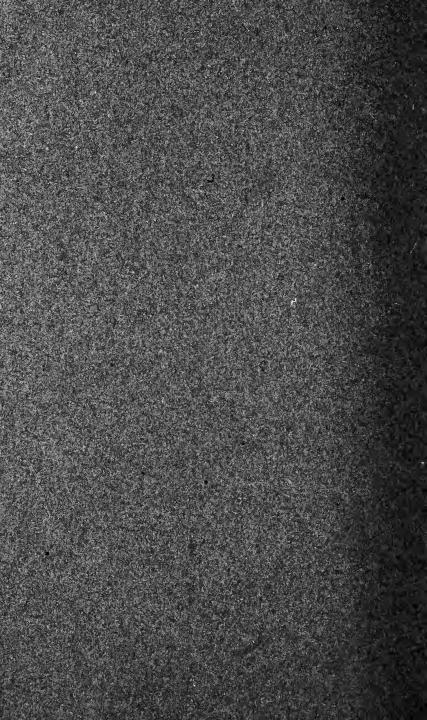
MONTH OF DECEMBER, 1916

D. C. HOWARD

Liguti Colonel, Medical Corps, United States Army, Chief Health Officer, Balbos Heights, Canal Zone

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WASHINGTON 1917



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LETTER OF TRANSMITTAL.

THE PANAMA CANAL, CANAL ZONE, HEALTH DEPARTMENT, Balboa Heights, Canal Zone, January 10, 1917.

Lieut. Col. JAY J. Morrow, Acting Governor, The Panama Canal, Balboa Heights, Canal Zone.

Sir: I have the honor to submit the following report of the operations of the department of health for the month of December, 1916.

Very respectfully,

D. C. HOWARD, Chief Health Officer.

GENERAL REMARKS.

The general health of employees and nonemployees in the Canal

Zone and the terminal cities has continued good.

The two cases of smallpox noted in last month's report were discharged well from Ancon Hospital during the month. No cases

have appeared since November 23 last.

Two mild cases of anterior poliomyelitis appeared on December 19 in the Balboa district. The cases were immediately isolated in Ancon Hospital, and all contacts held under close observation. To date no secondary cases have appeared. Both cases occurred in children of the same family, and as they had not been away from the Isthmus since February, 1916, it is assumed that the infection was contracted here. A few sporadic cases of this disease appeared on the Isthmus in 1912, but the disease did not then assume epidemic proportions, and no general outbreak is expected.

The annual physical examination of gold employees was completed during the month, with the exception of employees absent

on leave, and a few at outlying stations.

No disease of a quarantinable nature originated on or was brought to the Isthmus during the month.

VITAL STATISTICS.

EMPLOYEES.

The following statistics are based upon the number of names appearing on the rolls for the preceding month, which was 34,327, The total number of admissions to hospitals and quarters was 938.

a rate of 327.91, as compared with 315.83 for the preceding month,

and 307.23 for the corresponding month of last year.

The total number of deaths from all causes was 22; of these 17 were from disease, giving a death rate of 5.94, as compared with 3.08 for the preceding month, and 5.01 for the corresponding month of last year.

The constantly noneffective rate was 8.86, as compared with 8 for the preceding month, and 10.31 for the corresponding period of

last year.

The total admission rate for malaria, hospitals and quarters, was 8.39, as compared with 5.48 for the preceding month and 26.11 for the corresponding month of last year. The constantly noneffective rate for malaria was 0.28, as compared with 0.24 for last month and

0.88 for the month of December last year.

The diseases causing the highest admission rates to hospital, in the order of their numerical importance, were: (1) Venereal diseases; (2) malaria; (3) tuberculosis; (4) other diseases of the intestines; and (5) chickenpox. These five diseases caused 30 per cent of all admissions to hospitals, venereal diseases alone causing 15 per cent of all admissions and malaria 6 per cent.

There were two admissions for typhoid fever during the month, giving an admission rate of 0.70, as compared with 0.68 for the preceding month and 0.36 for the corresponding period of last year.

EFFECTS OF RACE.

The admission rate to hospital, and the death rate from disease, for white employees, was 253.70 and 5.07 respectively, as compared with 250.05 and 0.00 for the preceding month, and 283.88 and 2.65 for the corresponding month of last year. For black employees, the admission rate to hospital, and the death rate from disease, were 66.49 and 6.08, respectively, as compared with 65.68 and 3.56 for the preceding month, and 135.18 and 5.37 for the corresponding month of last year.

The constantly noneffective rates were 18.73 for whites and 7.29

for blacks.

The admission rate to hospitals and quarters for malaria was 22.83 for whites and 6.08 for blacks, as compared with a rate of 7.65 for whites and 5.14 for blacks for the preceding month and 68.98 for whites and 19.43 for blacks for the corresponding month of last year.

There were two deaths among American employees during the month, giving a rate of 5.68, as compared with 2.84 for the preceding month and 2.95 for the month of December last year.

¹ All morbidity and mortality rates are computed as equivalent annual per 1,000.

DEPORTATIONS.

There were two deportations accomplished during the month, both employees, and both for disease.

CANAL ZONE.

EMPLOYEES AND NONEMPLOYEES.

The population of the Canal Zone, according to the last police census taken in June, 1916, is 31,048. This includes employees, nonemployees, and military garisons residing or stationed within the Canal Zone. Among this population there were 26 deaths during the month of December, 21 of which were from disease, giving a death rate of 8.12, as compared with 7.73 for the preceding month and 13.29 for the corresponding month of last year.

Of the total deaths from disease the percentage under 5 years of

age was 29 as compared with 20 for last month.

There were 59 births reported, giving a rate of 22.80; of these 19

were white and 40 colored.

There were 5 deaths of children under 1 year of age, 1 white and 4 colored, giving an infant mortality rate, based upon the number of births reported for the month, of 53 for white and 100 for colored children, with a general average of 85.

The percentage of stillbirths to total births was 8.

PANAMA CITY.

EMPLOYEES AND NONEMPLOYEES.

The population of the city is 60,778, among whom there were 152 deaths during the month of December; of these 146 deaths were from disease, giving a rate of 28.83, as compared with 34.75 for the preceding month and 31.01 for the corresponding month of last

Of the total deaths from disease the percentage under 5 years of

age was 50, as against 52 for last month.

The principal causes of death as compared with last month were as follows:

	November.	December.
Pneumonia (including lobar and broncho). Tuberculosis (various organs). Diarrhea and enteritis (under 2 years).	28	24 23 17

There were 226 births reported, giving a rate of 44.62. There were 61 deaths under 1 year of age, giving an infant mortality rate, based on the number of births reported for the month, of 270. The percentage of stillbirths to total births was 12.

COLON.

EMPLOYEES AND NONEMPLOYEES.

The population of the city is 24,693, among whom there were 58 deaths during the month of December; of these 53 deaths were from disease, giving a rate of 25.76, as compared with 25.27 for the preceding month, and 24.13 for the corresponding month of last vear.

Of the total deaths from disease the percentage under 5 years of

age was 51, as compared with 43 for the preceding month.

The principal causes of death as compared with last month were as follows:

	November.	December.
Pneumonia (including lobar and broncho)	10 5 9	10 7 6

There were 90 births reported, giving a rate of 43.74. There were 20 deaths under 1 year of age, giving an infant mortality rate, based on the number of births reported for the month, of 222. The percentage of stillbirths to total births was 4.

DIVISION OF HOSPITALS.

ANCON HOSPITAL.

The average number of patients constantly in the hospital proper during the month was 429, as compared with 423 for the preceding month and 473 for the corresponding period of last year. The average number of days' treatment for each employee admitted was 20.47. The daily per capita cost per patient for November was \$1.71.

Twenty-nine cases of malaria were admitted against 36 in November, 52 for October, 62 for September, 124 for August, and 143

for July. Seven deaths occurred from tuberculosis.

Detailed statistics are shown in Table XIII.

Board of health laboratory.—No work, outside of routine, was

performed during the month.

Corozal Hospital.—The average number of insane patients constantly cared for during December was 319 as compared with 315 for the preceding month and 264 for the corresponding month of last

During the month there were 19 admissions, 8 deaths, 11 dis-

charges, and 2 transfers.

The daily per capita cost for November was \$0.45 gross.

Detailed statistics are shown in Table XIII.

Chronic ward.—During the month there were no admissions, deaths, or discharges. The average number of patients constantly cared for was 24. The daily per capita cost for November was \$0.34 gross.

COLON HOSPITAL.

The average number of patients constantly in hospital was 44 as compared with 43 for the preceding month and 39 for the corresponding month of last year. The average number of days' treatment for each employee admitted was 9.48.

The daily per capita cost per patient for November was \$2.23

gross.

Detailed statistics are shown in Table XIV.

PALO SECO LEPER ASYLUM.

The average number of patients constantly cared for during the month was 66.51 as compared with 68.56 for the preceding month and 58 for the month of December last year.

During the month there was 1 admission and 1 death.

The daily per capita cost for November was \$0.81 gross. Detailed statistics are shown in Table XV.

SANTO TOMAS HOSPITAL.

One thousand three hundred and eighty patients were treated in the hospital during the month of December as compared with 1,371 for the preceding month and 1,468 for the corresponding month of last year. The daily average number of patients treated was 440 as compared with 450 for last month and 462 for the corresponding month of last year. The total number of days' treatment was 13,637 as compared with 13,340 for last month.

The number of deaths was 84, with Bright's disease (chronic nephritis), diarrhea and enteritis, and tuberculosis the chief causes

in the order named.

Four cases of dysentery were treated, with no deaths; 11 cases of pneumonia, with 1 death; and 1 case of typhoid, with no death.

Detailed statistics are shown in Table XVI.

DISTRICT DISPENSABLES.

The district having the highest admission rate for malaria was Culebra-Empire, with an average weekly percentage of 0.055. That having the lowest was Balboa, with a weekly percentage of 0.01. Detailed statistics are shown in Table IX.

ZONE SANITATION.

The routine work of grass cutting, ditch cleaning, and oiling, was carried on in the several districts as usual. The transition from the rainy to the dry season, with the change of winds incident thereto, has taken place during the month. At this time, extraordinary vigilance is required to prevent mosquito breeding and a subsequent rise in the malarial admission rate. This has been

watched carefully and there has been no continued rise in the

daily mosquito catch in any district.

With the cessation of the rains, large forces of men have been quartered by the supply department in camps outside of the sanitated districts, for clearing land for pastures. These camps are some of them necessarily in areas in which malaria bearing mosquitoes are abundant, and many of the men are careless regarding anti-malarial precautions. The noneffective rate in these camps from malaria will be in proportion to the lack of intelligent cooperation on the part of foremen in enforcing antimalarial measures, and the use of mosquito bars particularly. The surveying parties engaged for the past 18 months in marking the 100-foot contour line around Gatun Lake and its tributaries, have demonstrated conclusively that men can travel and camp in the jungle with small risk of malarial infection, if ordinary antimalarial precautions are taken. Malaria, even under these conditions, must be regarded as a preventable disease.

SANITATION-PANAMA.

During the month there were reported 8 admissions to Ancon Hospital and 11 to Santo Tomas Hospital for malaria, from the city of Panama, making a total of 19 cases. Fifty per cent of the cases occurring were noted during the last week of the month, and a careful search for undetected breeding was made covering the various districts, but no such place was found. It is thought that the seasonal changes contributed to this sudden increase in the cases, as has been noted in the past when we first pass from the wet season into the dry, or vice versa.

One case of diphtheria was reported during the month which terminated fatally. Several other cases were reported, however, which, while suspicious, were not considered positive on microscopical findings. This is the lowest number of acses reported since early in the year, and the decline has been a constant one since the introduction of radical measures against a small outbreak

which took place in July and August.

Child Hygiene.—This work has been continued during the month with gratifying results. The registered nurse in charge reports:

		-	_
Babies registered	during the month		144
Babies died durin	g the month		• 2
Total number reg	istered January 1, 1917		204
	at station weekly for weighing and		
Number of visits	made to homes of babies during me	onth	589

SANITATION—COLON.

Owing to the progressive extension of the permanent antimosquito work, consisting of dry and hydraulic filling and cement drains, the month of December saw the complete cessation of anopheles breeding in the Colon-Cristobal districts. The result of this has been that the highest rate for 1916 was two-thirds lower than that for 1915. The rate in 1916 touched zero and remaining there for some time, five times as often as in 1915.

The work on the sewer from Colon, which was changed from Fox River to empty into the bay, on account of the building of the new residential section, was completed, and a new pumping station and sump is now being constructed near this new residential site.

The schools in the district were inspected and found to be in satisfactory condition. All unprotected children were vaccinated, and no epidemic disease interfered with the work of the schools.

QUARANTINE TRANSACTIONS.

The quarantine situation in Central and South America has shown no further changes, nor have there been any unusual developments with reference to the report of yellow fever from Barbados and Martinique on the Atlantic side. The work of the quarantine division during this month has been conducted without special incident.

With reference to the cattle industry on the Zone, no cases of anthrax have occurred. Ante and post-mortem inspections of food animals for December have been as follows: 1,004 cattle ante and post-mortem inspected; 20 hogs ante and post-mortem inspected. The usual system of inspection was continued and microscopic examination made from splenic smear of each animal. Quarantine inspections were made upon 1,071 cattle received at Cristobal from Colombia, of which number 997 inspections were for the supply department. Quarantine inspections were also made on 20 swine received from Colombia. There were 518 cattle and 328 swine quarantine inspected for shipment from Panama to Colon.

TABLE I.—ADMISSIONS, DEATHS, AND NONEFFECTIVE RATES FOR EMPLOYEES; DEATHS OF RESIDENTS OF PANAMA, COLON, AND THE ZONE.

ABSOLUTE NUMBERS.

	AB	SOLUT	ENUM	BERS.					
	yees.		missio: iospita		D	eaths	3.	tive	effec- from ness.
•	Number of employees.	Total.	Disease.	External causes.	Total.	Disease.	External causes.	Days treated.	Constantly non- effective.
December, 1916.									
White Black	4,730	125 252					3	2,746 6,686	88. 59 215. 67
Total	34,327	377	264	113	. 22	17	5	9,432	304. 26
November, 1916.	-								
White Black	4,703 30,328	117 259					1 3	2,459 5,945	81.98 198.15
Total	35,031	376	264	112	13	9	4	8,404	280. 13
December, 1915.									
White	4,523 29,028				1 16		3	2,568 8,150	82.83 262.90
Total	33,551	434	339	95	17	14	3	10,718	345.73
December, 1916.	Ркорог	RTIONA	TE NU	MBERS	.1				
White Black	4,730 29,597	317. 12 102. 17	253. 70 66. 49	63. 42 35. 67	10. 15 7. 30	5. 07 6. 08			18.73 7.29
Total	34,327	131.79	92. 29	39.50	7. 69	5.94	1.79		8.86
November, 1916.									
White	4,703 30,328	298. 53 102. 48	250. 05 65. 68	48. 48 36. 79	2. 55 4. 75	3. 56	2. 55 1. 19		17. 43 6. 53
Total	35,031	128.80	90.43	38. 37	4. 45	3.08	1.37		8.00
December, 1915.									
White Black	4,523 29,028	283. 88 135. 18	225, 51 105, 00	58.37 30.18	2. 65 6. 61	2. 65 5. 37	1. 24		18. 31 9. 05
Total	33,551	155. 22	121. 25	33.97	6.08	5.01	1.07		10.31

¹ Annual average per 1,000.

TABLE I-A.—DEATHS OF RESIDENTS OF THE CITIES OF PANAMA, COLON, AND THE CANAL ZONE.

		D	eaths.		Annual	laverage per 1,000.			
Place.	Popula- tion.	Total.	Dis- ease. Externa causes.		Total.	Dis- ease.	External causes.		
December, 1916.									
Panama Colon Canal Zone	60,778 24,693 31,048	152 58 26	146 53 21	6 5 5	30.01 28.19 10.05	28. 83 25. 76 8. 12	1. 18 2. 43 1. 93		
Totals	116,519	236	220	16	24.31	22, 66	1.65		
November, 1916.									
Panama Colon Canal Zone	60,778 24,693 31,048	182 53 24	176 52 20	6 1 4	35. 93 25. 76 9. 28	34. 75 25. 27 7. 73	1.18 .49 1.54		
Totals	116,519	259	248	11	26. 67	25. 54	1.13		
December, 1915.									
Panama Colon Canal Zone	60,373 29,331 31,598	161 60 38	156 59 35	5 1 3	32.00 24.54 14.43	31. 01 24. 13 13. 29	. 99 . 41 1. 14		
Totals	121,302	259	250	9	25.62	24.73	. 89		

TABLE II .- DEATHS BY AGE, COLOR, AND SEX.

	7	Vhit	e.	Со	lore	1.	Ye	llow		Т	otal	8.
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Under 1 year. 1 to 4 years. 5 to 10 years. 11 to 20 years. 11 to 20 years. 21 to 30 years. 31 to 40 years. 41 to 50 years. 51 to 60 years. 61 to 70 years. 71 to 80 years. 81 to 90 years.	1 4 5 4 3 2	3	9 7 5 5 3 2 1	3 16 19 10 7 2 1	36 9 3 6 16 9 2 1 2	76 24 3 9 32 28 12 8 4	1 1 1 1		1 1 1 1	47 15 1 3 21 25 15 10 4 2	39 9 3 6 19 9 3 1 2	86 24 40 34 18 11 6
Total	26	7	33	113	86	199	4		4	143	93	23

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TABLE III.—DEATHS BY NATIONALITY.

:	Emp	loyees.	Nonen	iployees.	T	otal.	Grand
	Male.	Female.	Male.	Female.	Male.	Female.	total.
Austria Barbados British Guiana China Colombia Costa Rica England France Greece Grenada Guadeloupe Hayti India Italy Jamaica Martinique Montserrat Nicaragua Norway Panama Peru Portugal St. Lucia St. Vincent Spain Trinidad United States Venezuela	1 1 1 6 1 1 1 1 1		2 20 30 31 1 1 35 1 2 1 1 1 4	19 7 1 1 1 1 1 1 30 25 2 2 1 1	2 244 49 1 1 22 2 3 1 1 366 3 3 1 1 1 1 1 6 6 1 1 6 6	20 7 1 1 1 1 1 1 30 25 2 2 1	244441144166111111111111111111111111111
Unknown Total	21	1	122	92	143	93	236

TABLE IV.—DEATH RATES AMONG AMERICANS ON THE ISTHMUS CONNECTED WITH THE PANAMA CANAL.

	Number of deaths.	Annual average per 1,000.
White employees from the United States (4,223): Disease. External causes Total. White women and children from the United States (3,852): Disease. External causes		
Total. White employees and their families from the United States (8,075): Disease. External causes Total. Total number of Americans on the Canal Zone, including soldiers and their families (17,139): Disease. External causes Total.	1 1 2 2	

Table V.—CAUSES OF DEATHS OF EMPLOYEES OF THE PANAMA CANAL AND PANAMA RAILROAD COMPANY.

	White.	Colored.	Total.
. Disease.			
Puberculosis of the lungs. Disseminated tuberculosis Lobar pneumonia Phronic nephritis Aneurysm Derebral hemorrhage Duodenal ulcer Stricture of urethra Pertiary syphilis Beneral paralysis of the insane	1	1 3 2 1 1 2 1	2 2 3 2 1 2 1 1
Total		15	17
External causes.			
Prowning, accidental Praumatism, accidental	. 2	2 1	4
Total	. 2	3	õ
Grand total	. 4	18	22

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE.

		Pana- ma.				lon.	Canal Zone.		Total.		Grand
٠	M.	F.	М.	F.	М.	F.	M.	F.	total.		
General diseases.											
Malarial fever, estivoautumnal					1		1		1		
Diphtheria and croup	. 1						1		1		
Purulent infection and septicemia	. 2	:-					2		2		
Pyemia		1						1	1		
Pellagra								5	5		
Beriberi		i			12.			1	i		
Beriberi. Tuberculosis of the lungs.	. 11	11	4	2			18	13	31		
Tuberculosis meningitis	. 1						1		1		
Disseminated tuberculosis			1		1				2		
Syphilis, tertiary	- 1		• • • • •	1			1 2	1	2 2		
Cancer and other malignant tumors			-				-				
of the buccal cavity							1		1		
Cancer and other malignant tumors											
of the female genital organs		1						1	1		
Cancer and other malignant tumors					1						
of other organs and of organs not specified			1		-		1		1		
Alcoholism (acute and chronic)	1		1				i		î		

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE—Continued.

		na-	Col	lon.	Ca Zo	nal ne.	То	tal.	Grand
	М.	F.	М.	F.	M.	F.	М.	F.	total.
Diseases of the nervous system and of the organs of special sense.									
Locomotor ataxia. Cerebral hemorrhage. Softening of the brain. General paralysis of the insane. Convulsions of infants (under 5 years	1 1	1		1	1 1		2 1 1 2	2	2 3 1 2
of age) Other diseases of the nervous system	1			···i			1	···i	1
Diseases of the circulatory system.									
Pericarditis Organic diseases of the heart Aneurism Arterio-sclerosis	1 4 2	1 		1	1 2		1 5 2 2	2	1 7 2 2
Diseases of the respiratory system.			1						
Acute bronchitis Chronic bronchitis Broncho-pneumonia. Pneumonia (qualified) Lobar pneumonia	2 2 8 3 2	5 9 2	1 3 3 1 2	2 3 	3		3 5 11 4 7	5 2 12 	8 7 23 4 10
Diseases of the digestive system.									
Diarrhea and enteritis (under 2 years). Colitis. Diarrhea and enteritis (over 2 years). Acute appendicitis. Hernia, intestinal obstruction. Duodenal ulcer Cirrhosis of the liver. Simple peritonitis (nonpuerperal)	1 2 1	7 3 1 				1	13 1 1 1 2 1	11 3 1 1 	24 4 1 1 2 2 2 - 1 1
Nonvenereal diseases of the genito- urinary system.									
Acute nephritis	2 5	3	2	· · ·		1	9	4 5	8 14
annexa. Pyelo-nephrosis Diseases of the urethra, urinary ab-		1	1				1	1	1 1
scess, etc	1						1		1
The puerperal state.						İ			
Eclampsia	-,			ļ		1		1	1
Malformations-		1		1					
Congenital malformations (stillbirth not included)	2	1					2	1	3
Diseases of early infancy.									
Premature birth Congenital debility Atrophy of infants	2	2 2	i	2	2		2 1	4 2 1	6 3 1
Malnutrition Other causes peculiar to early infancy (including various consequences of labor)	2	2		1	_		4	3	7
Lack of care.	3	2	1	1	1		4	3	í

TABLE VI.—CAUSES OF DEATHS OF CIVIL POPULATION, (EMPLOYEES AND NONEMPLOYEES) AND MILITARY AND PLACES WHERE CHARGEABLE—Continued.

	Pa m	na- a.	Col	on.		nal ' ne.	То	tal.	Grand
	м.	F.	м.	F.	М.	F.	М.	F.	total.
Old age. Senility		1						1	1
Suicide by firearms. Acute poisonings. Burns (conflagration excepted). Accidental drowning. Traumatism by machines. Traumatism by other crushings. Aliroad traumatism. Injuries by animals. Electricity (lighting excepted). Horricide by cutting or piercing in-	1 1 	1	1 1 1		3		1 1 4 1 3 1 1	1	1 1 1 4 1 3 1 1
struments. Other external violence	1		1				1		1
Cause of death not specified or ill-defined		1						1	. 1
TotalStillbirths		66 10	35 2	23 2	22 3	4 2	143 25	93 14	236
Grand total	106	76	37	25	25	6	168	107	275

DEATHS OF NONRESIDENTS.

Residence.	Nationality.	Color.	Sex.	Age.	Cause of death.
Interior of Panama. United States of America.					Acute alcoholism. Uremia.
Agua Dulce, R. P Interior of Panama.	Panama	do	do	45 8	Chronic nephritis. Cerebral meningi- tis.
Do	Jamaica	do	do	40	Cardio-renal dis-
Do Do Do	Panama	White	Female	2 m.	ease. Arterio-selerosis. Gastro-enteritis. Congenital syphi- lis.
U. S. S. Poe	United States of America.	White	do	47	Organic heart dis- ease.
Interior of Panama.		Black	Female	21	Puerperal septice-
Chorrera, R. P	do	do	Male	57	Pulmonary tuber- culosis.
Interior of Panama. Bocas del Toro, R. P.	Colombia	do	do	66 22	Chronic nephritis. Pulr onary tuber- culosis.

TABLE VII.-DISCHARGES AND DEATHS IN THE

					E	Empl	oyee	s.				
		. I	Disch	arge	s.	-			Dea	ths.		
Diseases.	-	Wł	ite.					Wh	nite.			
		neri- ns.		ro- ins.	Bla	ick.		eri- ns.		iro- ins.	Bla	ick.
	M.	F.	М.	F.	М.	F.	М.	F.	М.	F.	М.	F.
General diseases.			-									
Typhoid fever					1							
tumnal. Malarial fever, tertian Smallpox. Vaccinia			4		7			••••				
Measles	i			f .	2							
Diphtheria and croup	2				2		••••					
Dengue			i		6		• • • •					
Purulent infection and sep- ticemia Pyemia												
Pellagra Puberculosis of the lungs	···i		2		2						1	
Tuberculosis of bones and joints												
Cuberculosis of the lymph glands					1							
Disseminated tuberculosis . Syphilis, primary					2 3	 						
yphilis, secondary. yphilis, tertiary. yphilis, period not stated			1		9 3 1					·	1	
Jonococcus infection Jonorrhea Jonorrheal arthritis	1				10							
Ronorrheal orchitis and epididymitis	3				1							
oft chancredenitis chancroidal	1				5 1							
cancer and other malignant tumors of the stomach and liver						4						-
other tumors (tumors of the female genital organs												
excepted)			1	····								
Alcoholism acute	1	1										
Alcoholism, chronic Alcoholic psychosis				,.								

HOSPITALS OF THE PANAMA CANAL FOR OCTOBER, 1916.

			No	nem	ploye	es.						Nor	ıres	ideı	nts.				
	Dis	char	ges.	1		. D	eath	ıs.		Di	sch	arge	s.		Dea	ths			
W	hite	e.`			v	Vhit	е.											ns.	
Sol- d'rs.	Oth	ers.	Bla	ick.	Sol- d'rs	Oth	ers.	Bla	ick.	Wh	ite.	Bla	ck.	Wh	nite.	Bla	ick.	Total admissions.	Total deaths.
М.	М.	F.	М.	F.	М.	м.	F.	м.	F.	м.	F.	м.	F.	М.	F.	м.	F.	Total	Total
				2														3	
4 3	2	1	1	1				1										20	1
	i		1	1														2	
2	1		1	1														1 7 3 8 2 2	
3	1	1	1							1							:::	8	
2	••••	••••		1			• • • •						• • •					2	• • •
		1																8	
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		ï		2 2			1		1 2					:::	:::			3	1 3 5
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	6	• • • •		1															
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		1	2	1				ļ	1									17 5	<u>:</u>
																		1	
14			1	2						1								29 1	
1							••••												
1			i							1								6	
5	1									2								16	
		••••																1	
2																		2	
2			1							1								4	
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		1																1 6	
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1	1																	1	

Diseases of the nervous system and of the organs of special sense. Cerebral hemorrhage, apoplexy Softening of the brain Paralysis without specified cause. 1 General paralysis of the insane Other forms of mental alienation. Dementia precox. Hysteria Neuralgia.	mploy	yees.				
Americans. Americans. Europeans.	Ì		Dea	ths.		
Americans. M. F. M. F. M. Diseases of the nervous system and of the organs of special sense. Cerebral hemorrhage, apoplexy. Softening of the brain Paralysis without specified cause. General paralysis of the insane. Other forms of mental alienation. Dementia precox Hysteria. Neuralgia. Neuralgia. Neuritis. Outher diseases of the nervous system. Neurasthenia. Diseases of the eyes and their annexa. Diseases of the ears. 3 1 Diseases of the circulatory system. Organic diseases of the heart Aneurysm Arteriosclerosis Diseases of the veins (varices, hemorrhoids, phlebitis, etc.). Hemorrhoids. 1 1 3 Varices. 1 2 Diseases of the respiratory system.		w	hite.		[.	
Diseases of the nerrous system and of the organs of special sense. Cerebral hemorrhage, apoplexy. Softening of the brain. Paralysis without specified cause. General paralysis of the insane. Other forms of mental alienation. Dementia precox. Hysteria. Neuralgia. Neuralgia. Neuralgia. Neuralsia. Neuralses of the nervous system. Neurasthenia. Diseases of the eyes and their annexa. Diseases of the ears. Jiseases of the circulatory system. Organic diseases of the heart Aneurysm. Organic diseases of the heart Aneurysm. Lymphadenitis (nonvenereal). Varices. Lymphadenitis (nonvenereal). Diseases of the respiratory system. Diseases of the respiratory system.		Ameri- cans.	Eu	iro-	Bla	ck.
tem and of the organs of special sense. Cerebral hemorrhage, apoplexy. Softening of the brain Paralysis without specified cause. Ceneral paralysis of the insane. Other forms of mental alienation. Dementia precox. Hysteria. Neuralgia. Neuralgia. Neuritis. Neuralgia. 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	F. 1	м. F.	М.	F.	м.	F.
plexy plexy of the brain Paralysis without specified cause Paralysis without specified cause Paneral paralysis of the imsane Dither forms of mental alienation Dementia precox Hysteria Weuralgia Weuralgia Weuralgia Weuralgia Weuralgia Weuralsia Dither diseases of the nervous system Diseases of the eyes and their annexa						
aralysis without specified cause. Jeneral paralysis of the insane. Jeneral paralysis of the insane. Other forms of mental alienation. Dementia precox. Hysteria. Neuralgia. Neuritis. Jither diseases of the nervous system. Neurasthenia. Diseases of the eyes and their amexa. Diseases of the ears. Jiseases of the circulatory system. Dranic diseases of the heart Anteriosclerosis. Diseases of the veins (varices, hemorrhoids, phlebitis, etc.). Hemorrhoids. Jarices. Jarices. Jarices. Jarices. Justemorrhoids. J						
General paralysis of the insane			-			
ation Dementia precox						
Neuralgia						
ous system. Neurasthenia 1 Diseases of the eyes and their annexa 1 Diseases of the ears 3 1 Diseases of the ears 3 1 Diseases of the circulatory system. Organic diseases of the heart 1 Aneurysm 1 Arteriosclerosis 1 Diseases of the veins (varices, hemorrhoids, phlebitis, etc.). Idemorrhoids 1 1 3 Diseases of the Diseases of the veins (varices, hemorrhoids, phlebitis, etc.). Idemorrhoids 1 1 3 Diseases of the respiratory system. Diseases of the respiratory system.						
their annexa. 1 Diseases of the ears. 3 Diseases of the ears. 3 Diseases of the ears. 3 Diseases of the circulatory system. Dranic diseases of the heart 1 Interviscal 1 I						
system. Organic diseases of the heart						
Aneurysm 1 Arteriosclerosis 1 Diseases of the veins (varices, hemorrhoids, phlebitis, etc.)						
Diseases of the veins (varices, hemorrhoids, phlebitis, etc.). Hemorrhoids. 1 1 3 3 / Arrices. 1 1 3 / Arrices. 2 1 2 / Phlebitis. 2 / Phlebitis. 2 / Phlebitis. 2 / Phlebitis. 3 / Phlebitis. 3 / Phlebitis. 4 / Phlebitis. 5 / Phleb					1	
Hemorrhoids.		7				
Phlebitis. ymphadenitis (nonveneral) real)						
Diseases of the respiratory system. Diseases of the nasal fossæ 7 1						
						• • •
Disagree of the thursid						
Diseases of the thyroid body				:		

21

OF THE PANAMA CANAL FOR DECEMBER, 1916-Continued.

			No	nem	ploye	es.					3	Non	res	ider	ıts.				
	Dis	char	ges.			D	eath	s.		Di	scha	arge	s.		Dea	ths			
· W	Vhite	Э,			v	Vhit	e.											ns.	
Sol- l'rs.	Oth	iers.	Bla	ick.	Sol- d'rs	Oth	iers.	Bla	ck.	Wh	ite.	Bla	c k.	Wł	ite.	Bla	ck.	Total admissions.	Motol doctho
м.	м.	F.	м.	F.	м.	М.	F.	М.	F.	М.	F.	м.	F.	м.	F.	м.	F.	Total	Total I
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3	- 	<u>i</u>		4			 			1								16 8	
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3 8	i	1		_i														4 16	
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8	1 6	1 7		1														19 13	
 4 1	7	1 10	··· ₁							i								33	-
		''i'	···i	· i								:::				:::		7	1.

					_ F	Empl	oyee	s.				
		I	Disch	arge	s.				Dea	ths.		
Diseases.		Wł	ite.					Wh	ite.	,		•
		eri- ns.		ro-	Bla	ck.		eri- ns.	Eu	ro-	Bla	ck.
_	М.	F.	М.	F.	м.	F.	м.	F.	м.	F.	М.	F.
Diseases of the respiratory system—Continued.										1		
Pleurisy. Gangrene of the lungs. Other diseases of the respir-	1 1				7					-		
atory system (tuberculosis excepted)	1 1											
Diseases of the digestive system.												
Diseases of the teeth and gums. Stomatitis	2		<u>i</u>									
Diseases of the pharynx Pharyngitis Follicular tonsillitis	····· 2				1 2						17.7	
Other diseases of the stomach (cancer excepted) Acute gastritis					1							
Acute indigestion	î				i							
der 2 years)					1							
Colitis Ankylostomiasis Intestinal parasites					i							
Acute appendicitis Chronic appendicitis Hernia, intestinal obstruc-	1											
tions	2		1		$\frac{1}{2}$							
tines Constipation Duodenal ulcer			2 1		3 2 2							
Cirrhosis of the liver Other diseases of the liver Abscess of liver (unquali-			1								····	
fied)				,								

OF THE PANAMA CANAL FOR DECEMBER, 1916-Continued.

			No	nem	ploye	es.					i.	Nor	ıres	ider	ıts.				
	Dis	char	ges.			D	eath	s.		Di	sch	arge	s.		Dea	ths			
v	Vhit	e.			v	Vhit	е.											ons.	
Sol- d'rs.	Oth	iers.	Bla	ack.	Sol- d'rs	Oth	iers.	Bla	ek.	Wh	ite.	Bla	ck.	Wł	ite.	Bla	ick.	Total admissions.	Total deaths.
м.	М.	F.	м.	F.	м.	м.	F.	м.	F.	м.	F.	м.	F.	м.	F.	м.	F.	Total	Total
1		1		1				::::										12 1	
																		1	
4	4	9	1 1	1 1 1 6						 1								3 1 3 2 29	
 	2 1												 					3 1 3	
1 1 1	1 1 1	1		1		1				1 1								2 1 3 1 4 9	i
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5 3 1	1	1		2						1								19 6 2 1 2	2
	···i·			1	::::											:::		1	

					E	mpl	oyee	s.				
		Ι	isch	arges	3.				Dea	ths.		
Diseases.		Wh	ite.					Wh	ite.			
		neri- ns.	Eu pea		Bla	ck.	Am		Eu	ro- ins.	Bla	ck.
	м.	F.	М.	F.	м.	F.	М.	F.	М.	F.	М.	F.
Nonvenereal diseases of the genito-urinary system and annexa.												
cute nephritis					2							
nephritis) Pyelo-nephrosis alculi of the urinary pas-											2	
sages. Diseases of the bladder Stitis	1				 1							
iseases of the urethra, urinary abscess, etctricture of the urethra,	ì				1						1	
nonvenereal												
male genital organs [ydrocele												
ter ine hemorrhage (non- puerperal)												
cerous) ther diseases of the uterus. Ietritis						1						
ysts and other tumors of the ovary	1											
alpingitis and other dis- eases of the female genital organs												
The puerperal state.												
formal labor ccidents of pregnancy xtra-uterine pregnancy												
bortion												
Puerperal hemorrhage Other accidents of labor Cclampsia												
Diseases of the skin and of the cellular tissue.		1		-								
Curuncle	3				1							

OF THE PANAMA CANAL FOR DECEMBER, 1916—Continued.

			No	nem	ploye	ees.						Nor	ıres	lder	nts.				
	Dis	char	ges.			D	eath	s.		Di	sch	arge	s.		Dea	ths			
N	Vhite	e.			7	Vhit	e.					AND IN COLUMN TO AND INCOLUMN TO AND IN COLUMN TO AND IN						ns.	
Sol- d'rs.	Oth	ners.	Bla	ek.	Sol- d'rs	Oth	iers.	Bla	ck.	Wh	ite.	Bla	ck.	WŁ	nite.	Bl	œk.	Total admissions.	Total deaths.
м.	м.	F.	м.	F.	м.	м.	F.	М.	F.	м.	F.	М.	F.	М.	F.	м.	F.	Total	Total
2																		4	
i	1	1	1	4					1									10 3	3
		3								1								1 1 4	
• • • •	1																	3	1
• • • •	1															:::		1	
																		3	
		1 1 8 2		3 2														1 5 11	
		1		1														3	
• • • •		2		3														5	
		17 2 1 6	1	7 8 1														24 2 1 1 14 1	
		1		2			1											4 2	i
		7829-		1														1 2	

	1				E	mpl	oyee	s.				
		I	Disch	arge	s.				Dea	ths.		
Diseases.		Wł	ite.					Wł	ite.			L
		neri- ns.	Eu pea	ro- ins.	Bla	ick.		eri- ns.		ro- ns.	Bla	ick.
	м.	F.	М.	F.	M.	F.	М.	F.	М.	F.	М.	F.
Diseases of the skin and of the cellular tissues—Con.		0										
Phiegmon and cellulitis Mycetoma	1		2		2							
Ulcer of the skin	1 1		1		3							
and annexa Diseases of the bones and of the organs of locomotion.			1	••••								• • •
Diseases of the bones (tuberculosis excepted) Caries (nontuberculous) Mastoid abscess. Periostitis. Diseases of the joints (tuberculosis and rheumatism excepted). Arthritis. Synovitis Other diseases of the organs of locomotion.					2 1							
X. Malformations.												
(stillbirth not included) Diseases of early infancy.			• • • •		1					• • • • •		
Newborn child Malnutrition Dther causes peculiar to early infancy (including various consequences of labor)										••••		
Affections produced by external causes.	N											
Poisoning by food Other acute poisonings Venomous bites and stings Burns (conflagration excepted)	3 1 		 1	****	3					· · · · ·		:::

OF THE PANAMA CANAL FOR DECEMBER, 1916—Continued.

			No	nem	ploye	es.			ř.			Nor	res	ideı	ats.				
	Dis	char	ges.			D	eath	ıs.		Di	sch	arge	s.		Dea	ths			
V	Vhi	e.			v	Vhit	e.							-				ns.	
Sol- d'rs.	Otl	hers.	Bl	ack.	Sol- d'rs	Otl	ners.	Bla	ick.	Wh	ite.	Bla	ck.	Wł	nite.	Bla	ick.	Total admissions.	Total deaths.
м.	м.	F.	м.	F.	м.	м.	F.	м.	F.	м.	F.	М.	F.	М.	F.	м.	F.	Total	Total
1 1 1	1			1														7 1 6 2	
1		1	1											•••				4	
2		1	1	i														4 1 1 1	
1 1 2			1 															1 4 1	
	1		5					1										7	
	14 2	5 1	3	6				1										· 28 4	
			1					1					•••					1	1
1				.:														6 1 2	
			1							1								7	

					F	Empl	оуее	s.				
	Discharges.						Deaths.					
Diseases.		WŁ	nite.				White.					
	Ameri- cans.		Euro- peans.		Black.		Ameri-		Euro- peans.		Black.	
	M.	F.	М.	F.	м.	F.	м.	F.	М.	F.	М.	F.
Affections produced by external causes—Contd.												
Absorption of deleterious gases (conflagration excepted). Accidental drowning. Traumatism by grearms. Traumatism by cutting or piercing instruments. Traumatism by fall. Traumatism by machines. Traumatism by machines. Traumatism by machines. Traumatism by other crushings (vehicles, railroads, landslides, etc.). Railroad traumatism. Traumatism by landslides. Electricity (lightning excepted). Fractures (cause not specified). Dislocations. Sprains. Other external violence.	1 1 3		1		11 7 1 3 3 1 1 7 7 1						i	
Infections of undetermined origin		<u>i</u>	1		4 2							
Grand total	86	6	33		227	1					14	

OF THE PANAMA CANAL FOR DECEMBER, 1916—Continued.

			No	nem	ploye	ės.						Nor	ıres	ıder	ıts.	-			
	Dis	char	ges.			D	eath	s.		Di	sch	arge	s.	:	Dea	ths			
W	Vhite).·			v	Thite	э.						-				ns.		
Sol- d'rs.	Oth	ers.	Bla	ick.	Sol- d'rs	Oth	ers.	Bla	ck.	Wh	ite.	Bla	ck.	Wh	ite.	Bla	ck.	Total admissions.	Total deaths.
М.	М.	F.	м.	F.	м.	м.	F.	М.	F.	м.	F.	м.	F.	м.	F.	м.	F.	Total	Total
 1																		1 3 1	
2	1		4				 			2								15 15	
										1								1 4	···i
i i	2				1	1		1										6 2 1	3
3				3														1 16 1 1	
7			4	5				1		1								73	1
3 2		9	1	4								i						14 20	
149	65	120	52	105	1	4	2	10	8	23	1	1		1				869	40

TABLE VIII.—CONSOLIDATED A=white Americans; F=

		mair Dec.		Ad	lmit	ted.		Died	
	A.	F.	В.	A.	F.	В.	A.	F.	В
ANCON HOSPITAL.									
Panama Canal employees Panama R. R. employees Panama pay cases	25 7	10 3	113 43	73 6	23 5	171 42 1			11
Other pay cases	84 8	23 2	65 26	238 26	30 3	101 25	3	2	
Total.	124	38	247	343	61	340	3	2	2
Corozal Hospital (insane).									
Panama Canal employees	2 5	34 4 10	6 1 188 2 63	1	7	1 5 3 2		i	3
Total	10	48	260	1	7	11		1.	
Grand total	134	86	507	344	68	351	3	3	30
Corozal farm.	-			-	-	-	_		-
Panama Canal employees		10	55			3			
Chronic ward.									
Charity patients			24						
COLON HOSPITAL.									
Panama Canal employees Panama R. R. employees Panama pay cases Other pay cases Charity cases.	6	3 6	7 12 1	8 7 24 2	5 1 2 16	27 26 13 6 2	1	1]
Total	18	11	20	41	24	74	1	1	:
PALO SECO LEPER ASYLUM.									
Panama pay cases		2 2	38 24			1		<u>i</u>	
Total		4	62			1		1	
GRAND TOTAL.									
Panama Canal employees Panama R. R. employees Panama pay cases Other pay cases Charity cases	13	22 6 36 33 14	181 56 226 67 138	81 13 263 28	28 6 9 46 3	202 68 20 110 29	4	 1 3 1	1:
Total	152	111	668	385	92	429	4	5	32

HOSPITAL REPORT. white foreign; B=blacks.

Di	schar	ged.	Tra	nsfe	rred.	Re	mair Dec. 3	ning 31.	Average	number (constantly	sick.
Α.	F.	В.	A.	F.	В.	A.	F.	В.	American.	Foreign.	Black.	Total.
69 7	20	142 32			1	29 6	13 4	130 52	30. 71 6. 68	16. 16 2. 48	123. 10 47. 74	169. 97 56. 90
245 22	34 5	100 23	i		3 1	73 12	17	56 23	90. 09 9. 16	18. 77 1. 36	. 39 56. 36 26. 32	. 39 165. 22 36. 84
343	63	297	1		5	120	34	262	136.64	38.77	253.91	429. 32
3	5	1 1 1			1	2 3 3	35 4 10	6 1 188 2 62	2. 00 3. 10 3. 00	34. 10 4. 00 10. 00	6. 23 1. 00 188. 90 3. 61 63. 16	6. 23 1. 00 225. 00 10. 71 76. 16
3	5	3			2	8	49	259	8. 10	48.10	262.90	319. 10
346	68	300	1		7	128	83	521	144.74	86.87	516.81	748. 42
		4					10	54		10.00	54. 26	64. 26
								24			24.00	24.00
5 11 23 3	5 4 1 10	22 19 2 2 2	1 1 2	1 1 4	4 10 9 3 1	5 1 5 1	1 7	8 8 1 1	1.74 4.52 7.06 1.03	2.12 .83 .22 8.00	8. 55 7. 81 1. 48 . 71 . 35	12. 41 13. 16 1. 70 15. 77 1. 38
42	20	47	4	6	27.	12	8	18	14. 35	11.17	18.90	44. 42
							2 1 3	39 24 63		2. 00 1. 84 3. 84	38. 67 24. 00 62. 67	40. 67 25. 84 66. 51
74 18 271 25	25 8 6 44 5	168 51 3 103 26	1 1 3	1 1 4	5 10 10 6 3	34 7 2 81 16	24 4 37 28 11	198 61 229 59 133	32. 45 11. 20 2. 00 100. 25 13. 19	28. 28 3. 31 36. 32 30. 77 13. 20	192. 14 56. 55 229. 44 60. 68 137. 83	252. 87 71. 06 267. 76 191. 70 164. 22
388	88	351	5	6	34	140	104	680	159.09	111.88	676.64	947.61

TABLE IX.—CONSOLIDATED DISPENSARY REPORT. EMPLOYEES TREATED IN QUARTERS.

	ir	nain- ng c. 1.	Au	mit-	Di	ed.		is- ged.		ns- ed.	Ren ir Dec	ıg)ays	lost.
	w.	В.	w.	В.	w.	в.	w.	в.	w.	В.	w.	в.	w.	В.	Total.
Ancon Balboa Paraiso	1 4 	i	110 127 7	14			111 123 6	9	3	6	 5 1	 i	175 295 38	30 13	175 325 51
Pedro Miguel Gatun Colon	1 3 4	1 20	10 10 92	 7 186			11 12 94	1 4 189			 1 2	3 17	17 35 164	38 574	20 73 738
Total.	13	22	356	214			357	209	_ 3	6	9	21	724	658	1,382

ALL CASES TREATED BUT NOT EXCUSED.

	. 1	Employ	ees.	Nor	emplo	yees.		Totals.			
	w.	В.	Total.	w.	В.	Total.	w.	В.	Total.		
Ancon. Balboa. Paraiso. Pedro Miguel. Gamboa. Gatun. Colon.	2,972 3,302 835 1,231 62 458 1,304	4,664 3,929 2,603 2,369 252 1,032 3,808	7,636 7,231 3,438 3,600 314 1,490 5,112	2,094 2,465 684 717 15 530 1,198	3,241 465 698 392 205 927 805	5,335 2,930 1,382 1,109 220 1,457 2,003	5,066 5,767 1,519 1,948 77 988 2,502	7,905 4,394 3,301 2,761 457 1,959 4,613	12,971 10,161 4,820 4,709 534 2,947 7,115		
Total	10, 164	18,657	28,821	7,703	6,733	14,436	17,867	25,390	43, 257		

TABLE IX-A.—CONSOLIDATED ADMISSION REPORT.

	White.	Black.	Total.
Total admissions to hospitals, excluding Corozal farm and chronic ward	477	426	903
Total admissions of employees to quarters	356	214	570
Total Less number of patients transferred between hospitals and from quarters to hospitals, whose ad-	833	640	1,473
missions are duplicated in above figures	14	40	54
Net admissions to hospitals and quarters	819	600	1,419
EMPLOYEES.			
Employees admitted to hospitals	128 356	267 214	395 570
Total. Less number transferred between hospitals and	484	481	965
from quarters to hospitals, whose admissions are duplicated in above figures	6	21	27
Net admissions of employees to hospitals and quarters	478	460	938
Annual average per thousand of admissions of employees to hospitals and quarters	1,212.68	186. 50	327. 91

TABLE IX-B.—CONTAGIOUS AND INFECTIOUS DISEASES REPORTED DURING THE MONTH.

Disease.	Panama.	Colon.	Canal Zone.	Total.
Beriberi Chickenpox Diarrhea	7	1	7 7 4	1 15 7 5
Diphtheria Dysentery Epidemic cerebrospinal meningitis Malarial fever Measles.	19	8	3 1 23	7 1 50 2
Meningitis. Pellagra Pneumonia. Poliomyelitis. Tetanus.	3	2	4 2	1 2 9 2
Tuberculosis (various organs). Typhoid fever. Whooping cough.	22	5 1 7	6 1	33 2 7

TABLE X.—NUMBER OF EMPLOYEES CONSTANTLY SICK IN HOSPITALS AND QUARTERS.

	White.	Colored.	Total.
Hospitals:		·	
Ancon Hospital	56. 03 9. 21	178. 07 16. 36	234. 10 25. 57
Total	65. 24	194. 43	259.67
Quarters:	- 04		
Ancon	5. 64		5.64
Balboa	9. 52	.97	10.49
Pedro Miguel	. 55	.10	. 65
Paraiso	1.22	.42	1.64
Gatun	1.13	1.23	2.36
Colon	5. 29	18.52	23.81
Total	23.35	21. 24	44.59
	Hospi- tals.	Quarters.	Total
Average number of employees constantly sick:	Hospi- tals.	Quarters.	Total
Average number of employees constantly sick:	Hospitals.	Quarters.	Total 88, 59
Average number of employees constantly sick: White Colored	tals.		
White	tals. 65. 24	23.35	88. 59
White Colored Total Average number of employees constantly sick	65. 24 194. 43	23.35 21.24	88. 59 215. 67
White	65. 24 194. 43 259. 67	23. 35 21. 24 44. 59	88. 59 215. 67 304. 26
White Colored Total. Average number of employees constantly sick per 1,000: White.	65. 24 194. 43 259. 67	23. 35 21. 24 44. 59	88. 59 215. 67 304. 26
White	65. 24 194. 43 259. 67	23. 35 21. 24 44. 59	88. 59 215. 67 304. 26

TABLE XI.—AVERAGE LENGTH OF STAY IN HOSPITALS OR QUAR TERS FOR EACH ADMISSION OF SICK EMPLOYEE.

	White.	Black.	Total.
Hospitals:			
Ancon Hospital	15.54	23.09	20, 47
Colon Hospital	11.04	8,71	9.48
Quarters:			
Ancon	1.64		1.64
Balboa.	2.07	2.13	2.08
Pedro Miguel	1.90	6.00	2.25
Paraiso	6.33	2.17	4. 25
Gamboa			
Gatun	3, 16	9.50	4.75
Colon	2.12	3.68	3, 17
00.02.		,	

TABLE XII.—FINANCIAL STATEMENT, DEPARTMENT OF HEALTH.

	Nov., 1916.	Oct., 1916.	Nov., 1915.
Administration: Chief health office	\$1, 232. 84	\$407.18	\$399.31
Hospital division:			
Ancon Hospital	27, 023. 94	27, 815.06	24, 654, 26
Board of health laboratory	1, 756. 06	2,002.90	1, 275. 89
Corozal farm	6, 587. 30	7, 422. 24	6, 475. 76
Chronic ward	225. 16	209. 80	215. 99
	4, 378. 52	4, 569, 75	3, 785. 58
Colon Hospital	1,627.35		1 105 9
Palo Seco Leper Asylum	865.00	1, 482. 59	1, 125. 30
Santo Tomas Hospital		1,047.00	1, 223. 66
Medical storehouse	698.68	637.33	1, 153. 70
Reserve for new tools	2, 176. 75	2, 159. 04	
Vacation pay	2, 743.69		
Total hospital	48, 082. 45	47, 345. 71	39, 910. 14
District dentists	27.08	27.08	3.33
Dispensaries:			
Dispensaries: Balboa	1, 173. 60	1, 146. 10	1, 167. 51
Corozal			466. 41
Pedro Miguel	394.51	420.12	458, 42
Paraiso	465. 42	547.75	661.72
Gamboa	131. 75	137.63	140. 16
Gatun	438.40	509.28	706. 16
Total	2, 630. 76	2, 787. 96	3, 633. 71
Sanitary Division:			
	50.00	50.00	50.00
General inspector			50.00
Health office, Panama	3,549.60	3, 599. 92	4,002.50
Street cleaning, Panama	3,870.82	3,911.03	4, 287. 88
Health office, Colon	2, 676. 67	2, 477. 25	3,940.36
Street cleaning, Colon	2,040.94	2, 126. 02	2, 057. 50
Ancon	1, 186, 10	1,621.77	1,726.58
Balboa	633. 93	723.33	1, 560. 9
	1 206. 04		
Corozal		1, 213. 43	1, 373. 92
Pedro Miguel	1 2,077.98	2, 994. 36	2, 871. 18
Frijoles	71.45	72. 27	103.06
Gatun	1 1, 242. 21	2,950.03	3, 452. 82
Cristobal-Mt. Hope	1, 596. 75	1,904.65	2,618.00
Total	12, 150. 03	23, 644. 06	28, 044. 74
Quarantine division:			
Chief quarantine office	157. 53	169.08	382.40
Balboa-Panama	1,742.07	1,977.76	2, 128, 02
Colon-Cristobal	2,479.64	2,810.30	3,343.94
Colon-Cristobal	693.64	497.50	
Total	5, 072. 88	5, 454. 64	5, 854. 3t
RECAPITULATION.	•		
Chief health office	1, 232. 84	408.18	399.31
Hospital division	48, 082, 45	47, 345, 71	39, 910. 14
Dispensaries	2,630.76	2, 787. 96	3, 633. 71
Sanitary division	12, 150. 03	23, 644. 06	28, 044. 7
Quarantine division.	5, 072. 88	5, 454. 64	5, 854. 36
	l —		

 $^{^{\}rm 1}$ Items charged to construction all otments that had previously been charged to Zone Sanitation.

TABLE XIII.—ANCON HOSPITAL. REPORT OF NATIONALITY OF PATIENTS TREATED.

	Total num-	Amo	erican.	Other r	nations.
	ber	White.	Black.	White.	Black.
Hospital:					
Panama Canal employees	415	98	1	33	283
Panama R. R. employees	106	13		8	85
Panama Government pay patients.	1	l			1
Other pay cases	541	322		53	166
Charity patients	90	. 34		5	51
Totals	1,153	467	1	99	586
Asylum: Panama Canal employees Panama R. R. employees	7	.1			7
Panama Government pay patients.	236	2		41	193
Other pay cases		6		4	5
Charity patients	78	3		10	65
Totals	337	11		55	271
Grand totals	1,490	478	1	154	857
Soldiers	201	201			
Chronics	24				24
Farm (cripples)	68			10	58

REPORT OF DAYS LOST IN HOSPITAL.

The state of the s	ĺ		1	1	
Hospital:					
Panama Canal employees	5,269	952	31	501	3,785
Panama R. R. employees	1,764	207		77 1	1,480
Panama Government pay patients.	12				12
Other pay cases	5, 122	2,793		582	1,747
Charity patients	1,142	284		42	816
Totals	13,309	4, 236	31	1,202	7,840
Asylum:					
Panama Canal employees	193				193
Panama R. R. employees	31				31
Panama Government pay patients.	6,975	62		1,057	5,856
Other pay cases	332	96		124	112
Charity patients	2,361	93		310	1,958
Totals	9,892	251		1,491	8,150
Grand totals	23, 201	4,487	31	2,693	15,990
Soldiers	2,087	2,087			
Chronics	744				744
Farm (cripples)	1,992			310	1,682

Average cost per subsistence per day, \$0.3173.

TABLE XIII.—ANCON HOSPITAL—Continued. WARD LABORATORY REPORT.

Blood examinations (total number)	603
Estivoautumnal.	19
Tertian	7
Differential counts	12
Hemoglobein estimations.	209
Leucocyte counts	78
Red blood counts	19
Stool examinations (total number).	448
Ameba	2
Ascaris lumbroincoides	4
Bilharzia	î
Guaiac tests	22
Pus and blood	35
Strongloides	16
Tenia saginata dispar (ova)	2
Tricocephalus dispar	10
Theorem (despar	19
Uncinaria (ova).	
Urine examinations (total number).	1,836
Albumen	478
Bile	7
Casts	374
Ciliated monads	2
	1,057
Guaiac tests	118
Indicon	106
Pus	744
Pus and blood	200
Sugar (pos. 1, neg. 135)	13 6
Trichomonas vaginalis.	1
Sputum examinations (total number)	262
Positive for tubercle bacilli	27
Smear examinations (total number).	31
Urethral	12
Vaginal	4
Spinal fluid.	5
Fluid from knee	ĭ
- 100 M MARCO - 100 M M M M M M M M M M M M M M M M M M	-

REPORT OF SURGICAL OPERATIONS.

	Number.	Died.
Amputations:		
Digits, multiple	1	
Operations on bones:		
Ostiectomy	3	
Plating of fractures, single	2	
Plating of fractures, compound	2	
Adenectomy:		
Cervical	3	
Inguinal, single	11	
Inguinal, double	7	
Femoral	1	
Herniotomy:		
Inguinal, single	10	
Inguinal, double	1	
Ventral	1	
Genito-urinary tract:		
Nephrotomy	1	
Nephrectomy	1	
Varicocele, radical cure	1 2	
Hydrocele, single, radical cure	2	
Orchidectomy	1	
Epididymotomy	12	
Curetage uteri	9	
Perineoplasty	2	
Tracholorrhaphy	2	

TABLE XIII.—ANCON HOSPITAL—Continued. REPORT OF SURGICAL OPERATIONS—Continued.

	Number.	Died.
Obstetrical:		
High forceps	1	
Low forceps	1	
Version.	3	
Rectum:		
Hemorrhoids, radical cure	15	1
Fistula in ano, excision of	1	
General:		
Thyroidectomy. Varicose veins, excision of	2	
Varicose veins, excision of	` 1	
Tenorrhaphy	1	
Excision of surface neoplasms	1	
Plastic operation for congenital defect	1	
Plastic operation for severe injuries	1	
Plastic operation for effects of disease	3	
Lanaraotomy:	-	
For intestinal obstruction	1	
Exploratory	4	
Gastroenterostomy	ī	1
Appendectomy	9	
Appendectomy Appendectomy with local peritonitis	ĭ	
Abscess of liver, laparo-hepatotomy for	ī	
Supravaginal hysterectomy	6	
Hysteromyomectomy		
Hysteromyomectomy Salpingo-oophorectomy	2	
Ovarian cystectomy.	3	
Suspensio-uteri	5	
Suspensio-uteri Plastic operation for chronic pelvic peritonitis	1	
For octopic gestation	ī	
Major operations various other	3	1
Major operations, various other	156	
Total	301	3
Total	301	
REPORT OF OPERATIONS, EYE AND EAR CLIN		
Consillectomy and adenoidectomy. Consillectomy only. Adenoidectomy only		10
A denoided tomy only		18
Adenoidectomy only		15
Submucous resections.		19
Furbinectomy		5
Abscess mastoid region.		
Perforation right antrum	· · · • · · · · · · · ·	i
Trephine Fergus Elliott. Trephine of schlera for chronic glaucoma	• • • • • • • • • •	1
repnine of schiera for chronic glaucoma		1
Minor eye		7
Total		0.5
Total		

REPORT OF OUT-PATIENT DEPARTMENT.

Clinic.	Total visits.	New cases.	Pay cases.	Prescrip- tions.
Medical Surgical Eye and ear	313 241 516	212 126 229	23 7	266 49 29
Total	1,070	567	30	344

TABLE XIII.-ANCON HOSPITAL-Continued.

MONTHLY REPORT OF VACCINATIONS.

Number of adults vaccinated	726
Number of takes Number of school children vaccinated.	199
Number of school children vaccinated	7
Number of takes	2
·	
BOARD OF HEALTH LABORATORY.	
Bacteriological examination of—	
Blood cultures (2 pos for B typhosus: 1 pos for B coli)	16
Blood cultures (2 pos. for B. typhosus; 1 pos. for B. coli.)	64
Urines	63
Stools	68
Sputum	4
Pathological fluids, exudates, etc.	15
Smears, gonococcus.	1
Smears from a cutaneous sore.	î
Cultures of autopsies.	î
Leper suspects.	2
Ovetars (goneignments)	ĩ
Oysters (consignments). Dairy milk from Corozal.	30
Dairy milk from Panama.	9
Cheese.	ĭ
Wassermann reactions.	753
	1 1
Agglutination reactions.	2
Anti-typhoid vaccinations. Smallpox vaccinations.	ī
Animal inoculations.	10
Dark field examinations.	8
Chemical examinations of:	
Mother's milk.	6
Mother's milk	8
Urines.	27
Dairy milk from Panama. Fat determinations of milk from Corozal farm.	4
rat determinations of milk from Corozal farm.	1
Skimmed milk (canned). Gastric contents	1
Castric contents	4
Powder for cocaine. "Service Beer" (near beer).	1
"Service Beer" (near beer)	1
Resin	
Gasoline.	1
Butter	$\frac{1}{2}$
Cider	2
Spinal fluids—	9
Butyric acid test	
Ammonium sulphate test	9
Phenol test	9
Colloidal gold test. Pathogical tissues prepared (paraffin 292, frozen 9) Surgical tissues reported.	4
Pathogical tissues prepared (paratin 292, frozen 9)	311
Surgical tissues reported.	42
Placental smears.	33
Blood films from horses.	5
Autopsies performed 1	36
Foetus inspections.	4
Animais autopsied (cattle 21, hogs 3, guinea pigs 5, cats 2, dogs 1)	38
Animals autopsied (cattle 27, hogs 3, guinea pigs 5, cats 2, dogs 1)	3
Bodies empaimed	4
Interments at Corozal.	20
Taken to Panama	3 28
Cramations	

¹ A total of 54 bodies passed through the morgue during the month. Five of these were "still-births," Thirteen bodies were not autopsied (embalming required in most of these cases). The percentage autopsied for the month was 73.46 per cent.

TABLE XIII.—ANCON HOSPITAL—Continued. MOSQUITOES IDENTIFIED AT THE BOARD OF HEALTH LABORATORY.

Stations.	Anopheles albimanus.	Anopheles tarsimaculata.	Anopheles malefactor.	Anoph. pseudopunctipennis.	Anoph. apicimacula.	Mansonia titillans.	Mansonia fasciolatus,	Mansonia nigricans.
Ancon Balboa Corozal post. Corozal district Pedro Miguel Pedro Miguel rallroad station. Pedro Miguel, west side of lock Paraiso Red tank. Miraflores Rio Grande. Lirio & Cerio Dredges, Culebra Cut. Gamboa Gatun. New Gatun. Frijoles. Monte Lirio. Barracks, Cristobal. Silver Married Quarters. Mount Hope village Fennsylvania R. R. cars, Cristobal Colon Hospital Other place in Colon, Cristobal district, Camp Gaillard Empire. Camp Otis Fort Randolph Fort Sherman Fort Grant	91 98 61 13 18 8 8 3 1 	1 3 2 10	3 3 11 4 1 2 3 2 1 1 5	1	1 3	1 44 12 20 288 1,003 635 197 35 6 6 6 99 775 482 3,534 133 139 1,306 2 2 1 1 25 4 4 3,735 712 4,008	50 54 1 37 1 12 1	1 23
Total	1,333	17	38	8.	4	27,532	167	25

TABLE XIII.-ANCON HOSPITAL-Continued.

MOSQUITOES IDENTIFIED AT THE BOARD OF HEALTH LABORATORY-Continued_

Stations.	Stegomyia.	Culex and allied genera.	Wyeomyia.	Aedes taeniorhynchus.	Aedeomyia squamipennis.	Lesticocampa.	Lutzia allostigma.	Total.
Ancon Balboa Corozal post Corozal post Corozal jost Corozal district Pedro Miguel Pedro Miguel railroad station Pedro Miguel, west side of lock Paraiso Red tank Miraflores Rio Grande Lirio & Cerio Dredges, Culebra Cut Gamboa Gatum New Gatum Frijoles. Monte Lirio Barracks, Cristobal Silver Married Quarters Mount Hope village Philadelphia R. R. cars, Cristobal Colon Hospital Other place in Colon, Cristobal district Camp Gaillard Empire. Camp Otis Fort Randolph Fort Sherman Fort Grant	5	310 208 12 7 2 14 136 2,232 3 95 28 4 4 3,692 326 20 11 102 3 1 102 3 1 1 102 3 1 1 102 4 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3 3 12 7 8 4 4 4 4 2 40 11 8	12	2	1 1 1 1 4 4 166 3 1 1	1	315-343 126-85-309 1,025-713-346-388-775-2,728-3,557-424-375-3,557-424-37,756-328-31,756-328-31,756-38,895-729-4,023-12-94
Total	17	7,393	106	12	2	27	2	36,683

TABLE XIII.—ANCON HOSPITAL—Continued. Corozal Hospital.

COMMITMENTS.

STATEMENT OF COMMITMENTS, DISCHARGES, AND DEATHS.

From Canal Zone, first admission. 4 3 From Panama Government, first admission 9 3 Total. 13 6

DISCHARGES.

	V	Vell.	Imp	roved.	Unim	proved.
	Male.	Female.	Male.	Female.	Male.	Female.
Barbados			1	1		
Guadeloupe Jamaica				2		(T)
Panama Russia United States			(D) 1		(D) 1 (D) 1	
Total			5	3	. 2	:

 $\mbox{Note.}\mbox{--}(T)$ Two transferred Ancon Hospital for surgical treatment; (D) three soldiers deported to United States.

DEATHS.

Medical diagnosis.	Mental diagnosis.	Male.	Female.
Purulent infection and septicemia; syphilis; pellagra; tuberculosis. Duodenal ulcer; syphilis, tertiary. Pellagra. Asphyxia; alcoholic psychosis. Syphilis, tertiary; nephritis; acute arsenical poisoning. Pellagra. General paralysis of insane; syphilis, tertiary. Softening of the brain; organic disease of the heart.	Pellagra; syphilis	1 1 1	i i

TABLE XIV.—COLON HOSPITAL.

NATIONALITY.

	White American.	White foreign.	Black.	Total.
Panama Canal employees	11	7	34	52
Panama R. R. employees		4	38	55
Panama pay		2 22	13	15
Other pay. Charity cases	31	22	6 3	59
Charity cases	4			
Total	59	35	94	188
Laboratory	REPORT.		,	
Blood examinations				
Estivo-autumnal				
Tertian				2
Haemoglobin estimations			• • • • • • • •	8
White-blood counts				
Red-blood counts				25
Urine examinations				
Albumen				
Casts				
Blood cells and pus				
Sugar and nue				9
Negative for albumen and sugar				118
Sputum examinations				30
SURGICAL OF	PERATIONS.			
Operations on bones:	-			
Ostiectomy				2
Herniotomy:				
Inguinal, single				2
Inguinal, double				3
Genito-urinary tract:				
Varicocele, radical cure]
Hydrocele, single, radical cure				1
Curetage uteri				
Rectum:				4
Hemorrhoids, radical cure				2
General:				
Excision of surface neoplasms				1
Excision of surface neoplasms Extensive injuries to soft parts, operat	tion for			4
Laparotomy:				
Appendectomy				8
Appendectomy with local peritonitis.				11
Salpingo-oophorectomy				1
Ovarian cystectomy				1
Suspensio-uteri Rupture small and large intestine and				2
Rupture small and large intestine and	mesentery			1
16:				
Minor operations, various				16
Deliveries. Minor operations, various (dispensary)				4

TABLE XV.-PALO SECO LEPER ASYLUM.

NATIONALITY OF PATIENTS.

	Number	Number treated Americans.		Oth	ers.	
Class.	White.	Black.	White.	Black.	White.	Black.
Panama pay patients	2 2	39 24			2 2	39 24
Total	4	63			4	63

Cost of subsistence per patient per d y, \$0.28.

TABLE XVI.—SANTO TOMAS HOSPITAL.

Class.	Remain- ing Dec. 1	Admit- ted.	Dis- charged.	Died.	Remain- ing Dec 3.
Pay cases	28 430	81 841	91 774	3 81	15 416
Total	458	922	865	84	431

Average number of patients constantly sick	440
Total number of days treatment	13,637
Average number of days treatment for each patient	9
Cost of subsistence per patient per day	\$0.39

NATIONALITY OF PATIENTS.

Class	Number	Ame	rican.	Other	nations.
Class.	treated.	White.	Black.	White.	Black.
Pay cases	109 1,271	3	8	42 126	56 1,145
Total	1,380	3	8	168	1,201

DISPENSARY REPORT.

Class.	White.	Black.	Total.
Natives. Foreigners	23 38	634 281	657 319
Total	61	915	976

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued. DISEASES TREATED.

Malaria.	5
Maiaria	J.
Measles	- 2
Influenza	
Dysentery	
Other epidemic diseases Purulent infection and septicemia	1
Other epidemic diseases	
Purulent infection and septicemia	ç
Tetanus	1
Pellagra	4
Beriberi. Tuberculosis of the lungs.	1
Tuberculosis of the lungs	14
Acute miliary tubercu losis.	- 1
Tuberculous meningitis.	í
Dattle dienen	- 1
Pott's disease. Tuberculosis of other organs	- 1
1 appreciators of other organs	42
Syphins	
Soft enancre	29
Syphilis Soft chancre Gonococcus infection Cancer and other malignant tumors of the female genital organs	28
Cancer and other malignant tumors of the female genital organs	t
Cancer and other malignant tumors of other organs and of organs not specified	2
Diabetes]
Leuchæmia	1
Leuchemia. Alcoholism (acute or chronic). Paralysis without specified cause.	16
Paralysis without specified cause	1
Other forms of mental alienation.	7
Enilensy	Ė
Epilepsy. Follicular conjunctivitis.	ĭ
Nauralizio and nauritio	13
Neuralgia and neuritis. Other diseases of the nervous system	10
other diseases of the nervous system	10
Other diseases of the eyes and their annexa.	10
Diseases of the ear	10
Diseases of the ear	12
Angina pectoris	1
Diseases of the arteries	6
Diseases of the veins	9
Diseases of the lymphatic system.	•
Hemorrhage	1
Hemorrhage Diseases of the nasal fossæ.	1
Diseases of thyroid body	2
Acute bronchitis	1
Acute bronchitis. hronic bronchitis.	11
Broncho pneumonia	1
Provincia predictiona	- 4
Pneumonia.	٥
Pleurisy. Other diseases of the mouth and annexa	1
Other diseases of the mouth and annexa	1
Diseases of the pharynx	22
Ulcer of the stomach	1
other diseases of the stomach. Diarrhea and enteritis (under 2 years). Diarrhea and enteritis (2 years and over).	1
Diarrhea and enteritis (under 2 years)	8
Diarrhea and enteritis (2 years and over)	17
Ankylostomiasis	40
ntestinal narasites	7
Appendicitis and typhlitis.	11
Harnia intestinal obstructions	18
Hernia, intestinal obstructions. Diseases of the anus and fecal fistula.	5
other diseases of the intestines.	4
ther diseases of the liver	9
Other diseases of the liver	2
Simple peritonitis	17
Bright's disease	17
Other diseases of the kidneys and annexa.	1
Diseases of the bladder	3
Jiseases of the urethra	8
Diseases of the urethra. Nonvenereal diseases of the female genital organs	13
Jterine tumor	1
Metritis.	9
Other diseases of the uterus. Salpingitis and other diseases of the female genital organs.	3
Salpingitis and other diseases of the female genital organs	12
Nonpuerneral diseases of the breast	1

TABLE XVI.—SANTO TOMAS HOSPITAL—Continued.

DISEASES TREATED—Continued.	
Normal labor.	
Normal labor	
Puerperal septicemia	
Gangrene.	
Furuncle	
Acute abscess	
Other diseases of the skin.	
Diseases of the bones	
Diseases of the joints	
Congenital malformation	
Nursling discharged from hospital without disease	
Senility Senility	
Senility Other acute poisonings	
Burns	
Traumatism by firearms	
Traumatism by other crushings.	
Traumatism by animals.	
Dislocations.	
Sprains.	
Fractures	
Other external violence.	
No disease.	
	- 8
Total discharges	
Deaths	
Remaining	4
Total treated	1 3

SURGICAL OPERATIONS.		
	Number.	Died.
Amputation digits, multiple	5	
Ostiectomy	1	
Adenectomy, cervical	2	
Simpuration ugits, induspie Ostiectomy Adenectomy, cervical Adenectomy, inguinal, single Adenectomy, inguinal, double Herniotomy, inguinal, single Herniotomy, inguinal, double Herniotomy, ventral Urethrotomy, ventral Urethrotomy, external	3	
Adenectomy, inguinal, double	1	
Herniotomy, inguinal, single	11	1
Herniotomy, inguinal, double	2	
Herniotomy, ventral	1	
Urethrotomy, external	2	
Hydrocele, single, radical cure Hydrocele, double, radical cure	1	
Hydrocele, double, radical cure	1	
Orchidactomy	5	
Epididymotomy Amputation of penis Curetage uteri Vaginal punctures	2	
Amputation of penis	ī	
Curetage uteri	4	
Vaginal nunctures	2	
Hemorrhoids radical cure	9	
Hemorrhoids, radical cure Fistula in anus, excision of Prolapsus of rectum, radical excision	ĭ	
Prolangue of rootum radical excision	1	
Exercision of curfoce needless	5	
Excision of surface neoplasm Gunshot wound of soft parts, operation for Plastic operations for severe injuries	3	
Plastic on antiona for account interior	2	
riastic operations for severe injuries	14	
Skill grait	14	
Skin graft Laparotomy for intestinal obstructions	2	
Appendectomy	8	
Chôlecystectomy	1	
Supravaginal hysterectomy salpingectomy, single salpingectomy, double salpingo-oophorectomy	1	
Salpingectomy, single	1	
Salpingectomy, double	4	
Balpingo-oophorectomy	4	
SUSDEDSIO-ULET	7.	
Stab wound of abdomen	1	
Maior operations, various other	5	
Minor operations, various other	33	
Total	141	
	171	1

PABLE XVII.—SUMMARY OF SANITARY WORK PERFORMED AND MATERIAL EXPENDED DURING THE MONTH OF NOVEMBER IN THE CANAL ZONE.

Work requests on supply department:	
Grass cutting.	30
Grass cutting Screening	8
Miscellaneous Work requests on municipal engineering division Work requests on dredging division Pit closets inspected	10
Work requests on municipal engineering division	15
Work requests on dreaging division	700
Pit closets inspected	798
Buildings inspected:	1 500
For screening. For mosquitoes.	$1,586 \\ 5,015$
For mosquitoes For general sanitation Stores, inspections of Restaurants, inspections of. Shops, inspections of. Clearly dispracted	2, 191
Stores inspections of	2, 131
Restaurants, inspections of	14
Shops, inspections of	76
Closets disinfected Garbage cans emptied Houses disinfected or fumigated	821
Garbage cans emptied.	2,804
Houses disinfected or fumigated	5
Rat traps in use	400
Rats destroyed. Number of mosquitoes destroyed in dwellings:	357
Number of mosquitoes destroyed in dwellings:	
Anopheles Stegomyia	1,086
Stegomyia	36
Culex	4,039
Mansonia	22,999
Material expended:	004
Larvacide, gallons	264
Crude oil, gallons Kerosene, gallons Fly-breeding places destroyed	13, 148
Kerosene, ganons	569
rly-preeding places destroyed	1
REPORT OF ROUTINE WORK DONE BY HEALTH OFFICE, PANAMA	
REPORT OF ROUTINE WORK DONE BY MEADIN OFFICE, TANAMA	•
General sanitation:	
Lineal feet of ditches cleaned and maintained	71.140
Lineal feet of ditches cleaned and maintained. Lineal feet of new ditches dug.	71,140 0
Lineal feet of ditches cleaned and maintained. Lineal feet of new ditches dug. Number of cubic yards of earth used in filling.	71,140 0 0
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvaide used	0 0 440
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvaide used	0 0 440
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvaide used	0 0 440
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Sauare yards of pools oiled.	0 0 440
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Sauare yards of pools oiled.	0 0 440 4,595 215 362,150 13,401
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled Water containers treated. Mosquita breeding places (quad (Steganyis 108)	0 440 4,595 215 362,150 13,401 253
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled Water containers treated. Mosquita breeding places (quad (Steganyis 108)	$\begin{matrix} 0\\ 0\\ 440\\ 4,595\\ 215\\ 362,150\\ 13,401\\ 253\\ 59\end{matrix}$
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled Water containers treated. Mosquita breeding places (quad (Steganyis 108)	$\begin{matrix} 0\\440\\4,595\\215\\362,150\\13,401\\253\\59\\64\end{matrix}$
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (18,000 per quart). Number of rats killed.	0 0 440 4,595 215 362,150 13,401 253 59 64 1,145
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of roats killed. Number of roat districtions made.	0 440 4,595 215 362,150 13,401 253 59 64 1,145
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed.	0 440 4,595 215 362,150 13,401 253 59 64 1,145
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rots killed. Number of rots discretions made. Square feet of vegetation removed. Garbage collection:	0 0 440 4,595 215 362,150 13,401 253 59 64 1,145 15 178,000
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rots killed. Number of rots discretions made. Square feet of vegetation removed. Garbage collection:	0 0 440 4,595 215 362,150 13,401 253 59 64 1,145 15 178,000
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of scrude oil used. Square yards of pools oiled Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump.	0 0 440 4,595 215 362,150 13,401 253 59 64 1,145 15 178,000 4,507 9,774
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of roude oil used. Gallons of roude oil used. Gallons of kerosene used. Square yards of pools oiled Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage emptied. Buildings:	0 0 440 4,595 215 362,150 13,401 253 59 64 1,145 15 178,000
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of roude oil used. Gallons of roude oil used. Gallons of kerosene used. Square yards of pools oiled Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage emptied. Buildings:	0 440 4,595 362,150 13,401 253 59 64 1,15 178,000 4,507 9,774 43,421
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of roude oil used. Gallons of roude oil used. Gallons of kerosene used. Square yards of pools oiled Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage emptied. Buildings:	0 0 440 4,595 215 362,150 13,401 253 59 64 1,145 15 178,000 4,507 9,774
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of rcude oil used. Gallons of rcude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rost killed. Number of rost killed. Number of rost discretions made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of plans for new buildings approved. Number of plans for new buildings approved.	0 440 4,595 215 362,150 13,401 253 59 64 1,145 178,000 4,507 9,774 43,421 4,847
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of rcude oil used. Gallons of rcude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rost killed. Number of rost killed. Number of rost discretions made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of plans for new buildings approved. Number of plans for new buildings approved.	0 0 440 4,595 362,150 13,401 253 59 64 1,145 15 178,000 4,507 9,774 43,421 4,847 14
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of rcrude oil used. Gallons of rcrude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cloads of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of plans for new buildings approved. Number of plans for new buildings approved. Number of permits issued for repairs to old buildings. Total building permits issued. Number of buildings condemned.	0 0 440 4,595 215 362,150 13,401 203 59 64 1,145 178,000 4,507 9,774 43,421 4,847 141 99 113 6
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of rcrude oil used. Gallons of rcrude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cloads of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of plans for new buildings approved. Number of plans for new buildings approved. Number of permits issued for repairs to old buildings. Total building permits issued. Number of buildings condemned.	0 0 440 4, 545 5215 362, 150 13, 401 253 59 64 1, 145 178,000 4, 507 9, 774 43, 421 4, 847 14 99 113 6 0
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of rede oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of permits issued for repairs to old buildings. Total building permits issued. Number of stables condemned. Number of stables condemned. Number of stables condemned.	0 0 440 4,595 215 362,150 13,401 203 59 64 1,145 178,000 4,507 9,774 43,421 4,847 141 99 113 6
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of reverse used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rost killed. Number of rost killed. Number of rost discretions made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cobic yards of garbage removed to dump. Total number of cans of garbage removed to dump. Total number of eans of garbage emptied. Buildings: Number of buildings inspected. Number of plans for new buildings approved. Number of plans for new buildings approved. Number of buildings condemned. Number of buildings condemned. Number of buildings demolished. Street cleaning:	0 0 440 4,595 2215 362,150 13,401 253 59 64 1,145 178,000 4,507 9,774 43,422 4,847 14 99 1113 6 0
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of rude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of permits issued for repairs to old buildings. Total building permits issued. Number of buildings condemned. Number of stables condemned. Number of stables condemned. Number of stables condemned. Number of square yards of streets cleaned daily.	0 0 440 4,595 215 362,150 13,401 253 59 64 1,145 178,000 4,507 9,774 43,421 4,847 14 99 113 6 0 0 1
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of rude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of permits issued for repairs to old buildings. Total building permits issued. Number of buildings condemned. Number of stables condemned. Number of stables condemned. Number of stables condemned. Number of square yards of streets cleaned daily.	0 0 440 4,595 215 362,150 13,401 203 59 64 1,145 178,000 4,507 9,774 43,421 4,847 144 99 113 600,000 0
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of rude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic yards of garbage removed to dump. Total number of cans of garbage removed to dump. Total number of cans of garbage emptied. Buildings: Number of buildings inspected. Number of permits issued for repairs to old buildings. Total building permits issued. Number of buildings condemned. Number of stables condemned. Number of stables condemned. Number of stables condemned. Number of square yards of streets cleaned daily.	0 0 440 4,595 215 362,150 13,401 1253 59 64 1,145 15 178,000 4,507 9,774 43,421 4,847 14 99 113 16 0 0 1 600,000 0 4
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of reverse used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic vards of garbage removed to dump. Number of buildings of garbage removed to dump. Total number of cans of garbage removed to dump. Total number of pains for new buildings approved. Number of buildings inspected. Number of permits issued for repairs to old buildings. Total building permits issued. Number of stables condemned. Number of stables condemned. Number of stables condemned. Number of private properties cleaned daily. A verage number of square yards of streets cleaned daily. Number of private properties cleaned during month. Number of private properties cleaned during month. Number of private properties cleaned during month.	0 0 440 4,595 215 362,150 13,401 203 59 64 1,145 178,000 4,507 9,774 43,421 4,847 144 99 113 600,000 0
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of rerude oil used. Gallons of rerude oil used. Gallons of kerosene used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of rom disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic vards of garbage emptied. Buildings: Number of buildings inspected. Number of buildings inspected. Number of plans for new buildings approved. Number of permits issued for repairs to old buildings. Total building permits issued. Number of buildings condemned. Number of buildings demolished. Street cleaning: Average number of square yards of streets cleaned daily. Average number of square yards of streets sprinkled daily. Number of nuisance notices served and nuisances abated. Vaccinations:	0 0 440 4, 595 215 362, 150 13, 401 253 59 41 1, 145 15 178,000 4, 507 9, 774 43, 421 4, 847 14 99 113 60 0 1 600,000 0 4 305
Lineal feet of new ditches dug. Number of cubic yards of earth used in filling. Gallons of larvacide used. Gallons of crude oil used. Gallons of reverse used. Square yards of pools oiled. Water containers treated. Mosquito breeding places found (Stegomyia 108). Fly breeding places found. Flies trapped (13,000 per quart). Number of rats killed. Number of room disinfections made. Square feet of vegetation removed. Garbage collection: Number of loads of garbage removed to dump. Number of cubic vards of garbage removed to dump. Number of buildings of garbage removed to dump. Total number of cans of garbage removed to dump. Total number of pains for new buildings approved. Number of buildings inspected. Number of permits issued for repairs to old buildings. Total building permits issued. Number of stables condemned. Number of stables condemned. Number of stables condemned. Number of private properties cleaned daily. A verage number of square yards of streets cleaned daily. Number of private properties cleaned during month. Number of private properties cleaned during month. Number of private properties cleaned during month.	0 0 440 4, 595 215 215 362, 150 13, 401 253 59 64 1, 145 178,000 4, 507 9, 774 43, 421 4, 847 14 99 113 6 0 1 600,000 0 4 305 125

MONTHLY WORK REPORT FOR COLON-CRISTOBAL-MOUNT HOPE.

Sanitation, Colon-Cristobal:	
Square yards street cleaned. Square yards street sprinkled. Square yards street sprinkled. Number of private properties cleaned.	4,050,652
Square yards street sprinkled	217,600
Number of private properties cleaned	750
Cubic feet fungated Doses of quinine issued Number of dogs caught Number of dogs killed	0
Doses of quinine issued.	ŏ
Number of dogs caught	0
Number of dogs killed	0
Number of rats caught. Loads of yard garbage disposed of. Number of cans of garbage (cubic yards, 2,731).	481 614
Number of cans of garbage (cubic vards, 2.731)	67,813
Colon dump maintained.	
Linear vards of ditches constructed	500
Linear yards of ditches maintained	1,642
Actes of vegetation removed:	10
Quarantine station	15
Washington Hotel.	Õ
Washington Hotel Colon Hospital Panama K. R. reservation, Colon swamp Parkway and E. Street maintained.	0
Panama R. R. reservation, Colon swamp	30
Parkway and E. Street maintained.	70.460
Number of recentscles treated	70,460 36,700
Number of mosquitoes caught in Colon Hospital screens—	50,100
Parkway and E. Street maintained. Square yards oiled. Number of receptacles treated. Number of mosquitoes caught in Colon Hospital screens— Anopheles. Culex. Number of mosquito-breeding places destroyed. Number of ty-breeding places destroyed.	11
Culex	264
Number of mosquito-breeding places destroyed	0
Number of fly-breeding places destroyed	12,548
Number of buildings inspected Number of gallons of larvacide used in Colon Number of gallons of crude oil used in Colon.	103.20
Number of gallons of crude oil used in Colon.	1,025
Number of misances abated Building, Colon: Number of building plans approved. Number of permits to occupy issued. Number of permits to repair issued. Number of building plans approved.	
Number of building plans approved	4 14
Number of permits to occupy issued	42
Number of bills collected	111
Sewers, Colon:	
Number of new connections made during the month	7
Total number of connections made to date	1,368
Number of houses on which connections were made	30
Outstanding permits. Sanitation, Cristobal:	00
Number of cans garbage (cubic vards, 745)	14, 541
Loads of yard garbage handled.	211
Square yards oiled	19,400
Number of receptacles treated Number of mosquito-breeding places destroyed Number of fly-breeding places destroyed	4,350 0
Number of fly-breeding places destroyed	ŏ
Gallons of larvacide used	22
Gallons of crude oil used Number of buildings inspected Number of nuisances abated	475
Number of buildings inspected	2,355
Number of nuisances abated	42
Number of cone garbage (cubic words 110)	962
Square vards oiled	92,500
Square yards oiled Number of doses of quinine issued Number of eceptacles treated Number of mosquito-breeding places destroyed	668
Number of receptacles treated	8,450
Number of mosquito-breeding places destroyed	62
Number of mosquitoes caught—	
Anopheles—	
Barracks.	70
	1
Steamships. Mount Hope village Camp Beird cars.	19
Camp Beird cars	0
	90
Total	30

Manager Warm Danger non-Coron Chymnes World House	A.C
MONTHLY WORK REPORT FOR COLON-CRISTOBAL-MOUNT HOPE—Con- Sanitation, Mount Hope—Continued.	tinuea.
Number of mosquitoes caught—Continued. Culex—	
	4, 242 161 22
Mount Hope village Camp Beird cars	17 0
Total	4,442
Gallons of larvacide used. Gallons of crude oil used. Mount Hope cemetery maintained. Linear yards ditches constructed.	200 90 826
Linear yards ditches maintained Square yards of vegetation removed 17 Number of burials during the month	3, 940 0, 055 49
TABLE XVIII.—CONSOLIDATED REPORT OF QUARANTINE 1 ACTIONS AT THE PORTS OF BALBOA-PANAMA AND CRISTOBAL.	RANS- COLON-
Number of vessels inspected and passed Number of vessels passed on certificate of medical officer. Number of vessels held in quarantine.	214 3 13
Total number of vessels entered	. 230
Number of inspections made to enforce compliance with anti-plague regulations. Number of vessels fumigated on arrival (on departure—0).	128
Number of crew examined	12,423 2 3,492
	15, 917
Number of supplementary examinations.	1,877
Number of persons vaccinated at port on arrival. Number of persons vaccinated at port of departure or en route.	218- 453
	671
Number of persons held in quarantine at the detention houses to complete period of incubation of yellow fever and bubonic plague. Number of poliomyelitis suspects detained.	. 332
Number of persons held in quarantine on board vessels.	
Total number of persons landed from foreign ports:	2, 131
Cabin. Steerage.	
	2, 428
Total number of persons embarked for foreign ports: Cabin. Sterrage	
	2,979
Total number of persons arriving from coast towns. Total number of persons sailing for coast towns.	1,423

Apparent decrease for month from foreign ports: Cabin (increase). Steerage (decrease).		
		551
Apparent decrease for month from coast towns Number of clearances issued Number of bills of health issued Number of bills of health viséed Number of immigrants recommended for rejection and deport Total number of persons landed	ation	65 91 164 24
Less number for Pacific ports.		
Total number of persons sailing		3, 633 4, 413
Apparent decrease for month		780
IMMIGRATION REPORT FOR COLON AND C	RISTOB	AL.
From-	Cabin.	Steerage.
Europe United States West Indies Venezuela Colombia Cuba	20 608 69 17 79	17 107 189 13 139
Costa Rica. Bocas del Toro. Coast towns.		34 192 161
Grand total.	978	865
Men. Women. Children. United States troops. Unclassified		494 230 84
QUARANTINE TRANSACTIONS AT THE PORT TORO, PANAMA.	OF. BOC	AS DEL
Number of vessels inspected and passed Number of crew inspected and passed Number of passengers inspected and passed Number of passengers, transit, inspected and passed		14 1, 284 210 181
No quarantinable disease has appeared in this port, and the fort and surrounding territory continue good.	ne health	conditions
TABLE XIX.—STATEMENT OF QUININE I	SSUED.	
Quinine sulphate (kilos). Pounds, avoirdupois.		13.00 28.66

51

TABLE XX.-PERSONNEL REPORT.

	December, 1916.			Novem-	
	Gold em- ployees.		Total employees.	ber, 1916 (total em- ployees).	ber, 1915 (total em- ployees).
Chief health officer	3	0	3	3	4
Medical storehouse	4	4	8	8	8
Quarantine division		34	46	46	38
Health office Panama	12	140	152	164	173
Health office, Colon	10	148	158	163	171
Ancon Hospital	124	246	370	360	350
Colon Hospital	17	26	43	42	39
Colon Hospital Santo Tomas Hospital	6	0	6	6	6
Palo Seco Leper Asylum	2	34	36	41	27
Zone sanitation		115	121	124	140
Hospital farm	2	66	68	69	55
T					
Balboa	5	3	8	8	6
Gamboa	1	0	1	1	1
Gatun	2	2	4	4	5
Paraiso	2	2	4	4	4
Pedro Miguel	2	1	3	3	3
Total	210	821	1,031	1,046	1,030

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